Abstract

A phosphorus containing compound having the following structure is disclosed, which can be blended a resin or reacted with a compound to form a flame retardant resin:

$$R_3$$
 R_1
 R_2
 R_3
 R_4
 R_3
 R_4
 R_5
 R_7
 R_7

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wherein R₁-R₄ independently are H or C₁-C₄ alkyl; X is a single bond,

-OH, -NH₂, -NO₂, -COOH, -CHO, or -OCH₂CHCH₂; m is integer of 0-2; and n is an integer of 1-4.

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